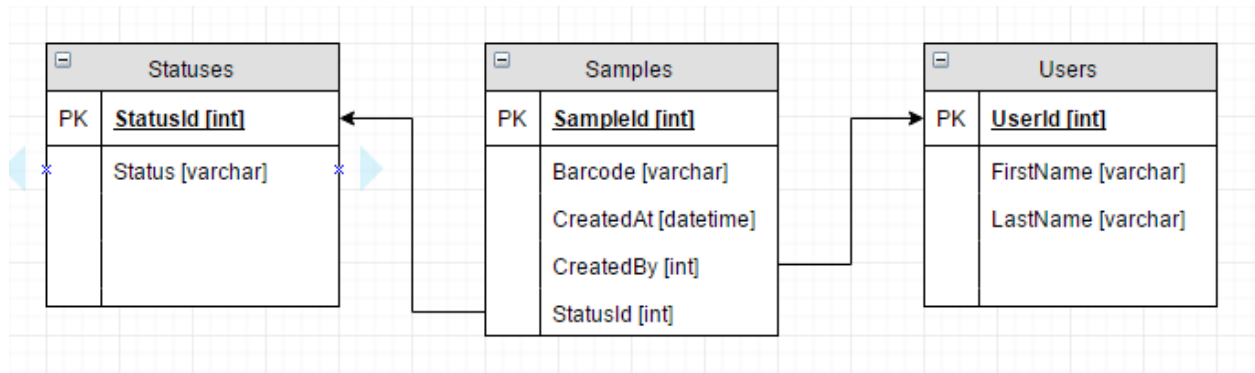


Given the following ERD, complete the following two tasks.



Write an ASP.NET Web API that responds with JSON to the following actions. You may use LINQ or raw SQL statements when working with the data.

1. Output all samples, their status, and the name of the user that created them.
2. Output all samples with a given status.
3. Output all samples created by any user that contains a given string in their name.
4. Create a new sample with associated status and user. Return HTTP OK or an error.

Write an Angular app that implements calls to the above Web API actions. Bonus points if the app allows you to further filter client-side results returned by the Web API.

Test Data:



Statuses.txt



Samples.txt



Users.txt

Good luck!